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#18

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/621,781B

DATE: 04/21/2003
 TIME: 15:28:56

Input Set : A:\09621781SubSeqList.txt
 Output Set: N:\CRF4\04212003\I621781B.raw

4 <110> APPLICANT: Fisher, Paul
 5 Su, Zao-Zhong
 7 <120> TITLE OF INVENTION: Nucleic Acids Comprising Regions of the
 8 Rat PEG-3 Promoter that Display Elevated Expression in Human
 9 Cancer Cells and Uses Thereof
 12 <130> FILE REFERENCE: A34690
 14 <140> CURRENT APPLICATION NUMBER: 09/621,781B
 15 <141> CURRENT FILING DATE: 2000-07-21
 17 <160> NUMBER OF SEQ ID NOS: 12
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1970
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Rattus norvegicus
 26 <220> FEATURE:
 27 <221> NAME/KEY: promoter
 28 <222> LOCATION: (1507)....(1970)
 29 <223> OTHER INFORMATION: PEG-3 Promoter (corresponds to -270 to +194 of
 30 Figure 2)
 32 <221> NAME/KEY: protein_bind
 33 <222> LOCATION: (1672)....(1677)
 34 <223> OTHER INFORMATION: PEA3 protein binding site
 W--> 36 <221> TATA_signal
 37 <222> LOCATION: (1748)....(1753)
 W--> 39 <221> misc_feature
 40 <222> LOCATION: (1777)....(1777)
 41 <223> OTHER INFORMATION: RNA cap site (corresponds to +1 of Figure 2)
 W--> 43 <221> protein_bind
 44 <222> LOCATION: (1781)....(1787)
 45 <223> OTHER INFORMATION: AP1 protein binding site
 W--> 47 <400> 1
 48 acatggcac gcgtggcga cggccgggc tggctggca acacgggtc agcccaggtt 60
 49 tcatacgtaa ttccagacac tcctggaaaa acaatacagg tccctgacaa aagaaaaaac 120
 50 aaaacaaagg aaacagaaac atgcgtttt aaaaaagaag gaggagactc catgaaggca 180
 51 ggccttgggt ggggtcactg cttctctgta cacaggagga gaattgccaa gatcttccgg 240
 52 acagtgtgga ctatactgta agaccctctc aatacagaca gactggacag gcatagtgac 300
 53 acatgcctt aatgcctgca gtactcagga ggaggtggca ggtggAACGG ctgttcttg 360
 54 agttcaaga ccacgtgga ctacagatg agttccagga caggcaggc tacacagaaa 420
 55 aatcctgtct gaaaacaaaa caaaacccag acagacacac caaaaacagc caagggacca 480
 56 gagagatggg tcagggccta atcacttgct actctttgca gaggacccaa atttagttcc 540
 57 tataaccctc catgagaagc ttcaacaattg tctctaactc aattccaccc gtgttccgac 600
 58 ctcccatatg caccagacat gttatactca cacatacgca caaacacaca cacacacaca 660
 59 cacacacaca cacacacaca cacacacaca cgaaaaacat ataaaataaa gatttaaaaa 720

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60 atcttttct tttggccggg gtgtgtggg gacatctga gccatctcac cagcccaggg 780
 61 tgcacgctt tttttttt tcggagctgg ggaccgaacc cagagcctt tgcttgctag 840
 62 gcaagtgc taccactgag ctaaatcccc aaccccgag cacgtctta atcccagaat 900
 63 caggaggtag aggtaatgag atcccagtga gccaaaggtc agccgagtct acaaagttag 960
 64 ttccaggaca gccagaacta atcttgaaa aacaaacaag ggctggtag gtggttcagt 1020
 65 agttaagaac actggctgct cttccagagg tcctgagttc attctcagta accacatgg 1080
 66 gggatctga tgcctgttct ggcattcaga tatacatgca gatagtgcac tcctacattt 1140
 67 aaaaaaaaaa gacataaata atattttaaa acattggcg ttttgtttc taataaaact 1200
 68 tcactgctat cttctaataa aaattcactg ctatccggg ggtgtgggc ccccatcac 1260
 69 ttaatcccaa caacttgaga ggcagaggca ggccggaccc ttgatggaa gctagcctgg 1320
 70 tctacagat gagttcaaga tagccacgg tagtcagaaa gtcctgttgc gaaaccttcc 1380
 71 ccaaccaat cactcctgtt atcccagcac tctggaggca gtagcaggat agtccctgct 1440
 72 tctcagagag aggagagaga gagagagaga gaggagacac acacacacag agacagagag 1500
 73 gagagagaaa gagaaagaga atggacacgc atgtgactgc ctgatgaagt tggcgtgctt 1560
 74 gctcaaaagt tctgcgagat tgacggctct ctggatttga gccaaggaca cgcctggaa 1620
 75 gccacggta cctcacaagg cccggaaatct ccggagaaat ttcaatgtttt tttcctctc 1680
 76 tccacccccc tcaggactt ccggaaactcc gcctctccgg tgacgtcagc atagcgtgc 1740
 77 gtcagactat aaactccgg gtatcgatgt tggcgcagat tgactcagtt cgccagctgt 1800
 78 ggaagattac atgcgagacc ccgcgcgact ccgcatccct ttgccgggac agccttgcg 1860
 79 acagccctgtg agacatcacg tcccccggcc ccacgcctga gggcgacatg aacgcgtgg 1920
 80 ctttggagagc aatccggacc cacatcgct tttggcaaac cgaaccggac 1970
 82 <210> SEQ ID NO: 2
 83 <211> LENGTH: 28
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Artificial Sequence
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: synthetic oligonucleotide
 90 <400> SEQUENCE: 2
 91 gatcttaggt gttgtgagag gatcgagg 28
 93 <210> SEQ ID NO: 3
 94 <211> LENGTH: 25
 95 <212> TYPE: DNA
 96 <213> ORGANISM: Artificial Sequence
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: synthetic oligonucleotide
 101 <400> SEQUENCE: 3
 102 tcggtttggc aaaagcgatc gtgggg 25
 104 <210> SEQ ID NO: 4
 105 <211> LENGTH: 35
 106 <212> TYPE: DNA
 107 <213> ORGANISM: Artificial Sequence
 109 <220> FEATURE:
 110 <223> OTHER INFORMATION: synthetic oligonucleotide
 112 <400> SEQUENCE: 4
 113 ggcaaaggaa tgccggatcg cgccgggtctc gcatg 35
 115 <210> SEQ ID NO: 5
 116 <211> LENGTH: 20
 117 <212> TYPE: DNA
 118 <213> ORGANISM: Artificial Sequence

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Input Set : A:\09621781SubSeqList.txt
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120 <220> FEATURE:
121 <223> OTHER INFORMATION: synthetic oligonucleotide
123 <400> SEQUENCE: 5
124 cgcagattga cttagttcgc 20
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 18
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: synthetic oligonucleotide
134 <400> SEQUENCE: 6
135 gtcttaactga gtcaagcg 18
137 <210> SEQ ID NO: 7
138 <211> LENGTH: 19
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: synthetic oligonucleotide
145 <400> SEQUENCE: 7
146 cgcagataaa cttagttcgc 19
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: synthetic oligonucleotide
156 <400> SEQUENCE: 8
157 gctgttattt gatgcaagcg 20
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 20
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: synthetic oligonucleotide
167 <400> SEQUENCE: 9
168 gtgttgtttt cctctctcca 20
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 20
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: synthetic oligonucleotide
178 <400> SEQUENCE: 10
179 cacaacaaaa ggagagaggt 20
181 <210> SEQ ID NO: 11
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:

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187 <223> OTHER INFORMATION: synthetic oligonucleotide
189 <400> SEQUENCE: 11 20
190 gtgttgttcc catctctcca
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: synthetic oligonucleotide
200 <400> SEQUENCE: 12 20
201 cacaacaagg gtagagaggt

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/621,781B

DATE: 04/21/2003

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Input Set : A:\09621781SubSeqList.txt
Output Set: N:\CRF4\04212003\I621781B.raw

L:36 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:43 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:47 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1